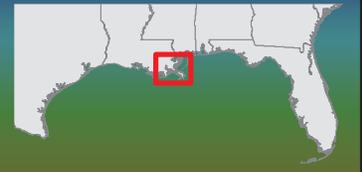




Gulf Coast  
Ecosystem  
Restoration  
Council

# Mississippi River Delta Watershed

Bayou Dularge Ridge, Marsh and Hydrologic Restoration  
(USDA\_RESTORE\_006\_000\_Cat1)



**Project Name:** Bayou Dularge Ridge, Marsh and Hydrologic Restoration - Planning

**Cost:** Category 1: \$5,162,084

**Responsible Council Member:** U.S. Department of Agriculture Natural Resources Conservation Service on behalf of the Federally Recognized Chitimacha Tribe of Louisiana

**Project Details:** The Bayou Dularge Ridge, Marsh and Hydrologic Restoration project is a component of a much broader effort to restore coastal Louisiana. The project has been identified in the 2012 Louisiana Coastal Master Plan as a “priority location” and these components have been developed in collaboration with Louisiana Coastal Protection and Restoration Authority, Terrebonne Parish, and private landowners that are within the footprint of the project. In addition, the project has been vetted through a process of engineering and environmental scrutiny that includes the participation of several state and Federal agencies including U.S. Fish and Wildlife Service, Environmental Protection Agency, National Oceanic and Atmospheric Administration/National Marine Fisheries Service, U.S. Army Corps of Engineers, and the Louisiana Department of Wildlife and Fisheries.

**Activities:** This planning project includes engineering and design of the Bayou Dularge Ridge (Ridge). Activities include: data collection, oyster seed assessment, cultural resources research and compliance, and easements and land rights. If implemented in the future, the project would synergistically provide benefits to over approximately 48,000 acres of wetlands through a combination of hydrologic restoration, marsh creation and ridge restoration. The project location provides a unique opportunity to manage salinity intrusion into a vast area where salinity was historically and naturally moderated through intact land features. By reducing the cross-section of the Grand Pass and restoring the integrity of the land bridge that separates the two large lake systems (Lake Mechant and Caillou Lake) the project would re-establish hydrologic and salinity conditions, restore the Ridge and its salinity gradient function, and the health of the marsh.

**Environmental Benefits:** If implemented in the future, the project would result in 233 acres of hydrologic restoration, 282 acres of marsh creation and 25 acres of ridge restoration for a total 540 acres of total direct net acres of benefit. Additional funds would be required to move this project to construction.

**Duration:** Completion of the engineering and design is expected to take two to three years.

**More information on this activity can be found in Appendix D. Mississippi River Delta;**  
**Unique Identifier: USDA\_RESTORE\_006\_000\_Cat1.**



# Gulf Coast Ecosystem Restoration Council

## Mississippi River Delta

### Bayou Dularge Ridge, Marsh, & Hydrologic Restoration (Tribal Project)

 Ridge, Marsh & Hydrologic Restoration

**Cost:** Category 1: \$5,162,084

**Sponsor:** US Department of Agriculture

**Project Status:** Planning

**Purpose:** This planning project includes engineering and design of the Bayou Dularge Ridge (Ridge). The project takes a regional approach that, if constructed in the future, would re-establish hydrologic and salinity conditions restore the Ridge and create and restore marsh to ensure the integrity of the Ridge, its salinity gradient function and the health of the marsh.



Map Date: October 14, 2015